

What is claimed is:

1 1. A computer implemented method for dynamically rendering data in a markup
2 language, the method comprising:

3 identifying a symbol in the data in the markup language, the symbol indicating a
4 query of a data set;

5 accessing the data set in order to generate a resolution to the query; and

6 rendering the resolution to the query as a part of the markup language, according
7 to at least one rule associated with the markup language.

1 2. The method of claim 1, wherein:

2 the symbol comprises a delimited token.

1 3. The method of claim 1 wherein:

2 the symbol is located within the data in the markup language such that the query
3 is associated with a markup language tag.

1 4. The method of claim 3 wherein:

2 the markup language comprises Hyper Text Markup Language.

1 5. The method of claim 3 wherein rendering further comprises:

2 rendering the resolution of the query according to at least one rule associated with
3 the markup language tag with which the query is associated.

1 6. The method of claim 1 wherein:

2 the data set comprises a set of at least one document in a hierarchically structured
3 format.

1 7. The method of claim 6 wherein:
2 the hierarchically structured format comprises Extensible Markup Language.

1 8. The method of claim 7 wherein:
2 the symbol conforms an Extensible Markup Language standard concerning
3 queries.

1 9. The method of claim 1 wherein:
2 the data set comprises a database.

1 10. The method of claim 1 wherein:
2 rendering is performed by a browser.

1 11. The method of claim 1 wherein:
2 rendering is performed by software running on a hand held computing device.

1 12. The method of claim 1 further comprising:
2 generating a resolution to the query by retrieving a node set from a set of
3 documents in Extensible Markup Language; and
4 rendering each member of the node set.

1 13. The method of claim 1 wherein:
2 the query contains at least one variable.

1 14. The method of claim 13 wherein:
2 each variable contained in the query comprises a delimited token.

1 15. The method of claim 13 wherein:

2 at least one variable contained in the query is bound to a specific node in
3 hierarchically structured data.

1 16. The method of claim 15 wherein:
2 the hierarchically structured data comprises a set of at least one document in
3 Extensible Markup Language.

1 17. The method of claim 1 wherein rendering the resolution further comprises:
2 updating the data set.

1 18. The method of claim 17 wherein updating the data set further comprises:
2 writing to a set of at least one document in Extensible Markup Language.

1 19. A computer program product for dynamically rendering data in a markup
2 language, the computer program product comprising:
3 program code for identifying a symbol in the data in the markup language, the
4 symbol indicating a query of a data set;
5 program code accessing the data set in order to generate a resolution to the query;
6 program code for rendering the resolution to the query as a part of the markup
7 language, according to at least one rule associated with the markup
8 language; and
9 a computer readable medium on which the program codes are stored.

1 20. The computer program product of claim 19 further comprising:

program code for rendering the resolution of the query according to at least one rule associated with a markup language tag with which the query is associated.

21. The computer program product of claim 19 further comprising:
 program code for generating a resolution to the query by retrieving a node set from a set of documents in Extensible Markup Language; and
 program code for rendering each member of the node set.

22. The computer program product of claim 19 further comprising:
 program code for updating the data set.

23. The computer program product of claim 22 wherein the program code for updating the data set further comprises:
 program code for writing to a set of at least one document in Extensible Markup Language.

24. A computer system for dynamically rendering data in a markup language, the computer system comprising:
 an identification module, for identifying a symbol in the data in the markup language, the symbol indicating a query of a data set;
 a data access module, for accessing the data set in order to generate a resolution to the query, the data access module being coupled to the identification module; and
 a rendering module, for rendering the resolution to the query as a part of the markup language, according to at least one rule associated with the

10 markup language, the rendering module being coupled to the data access
11 module.

1 25. The system of claim 24 wherein:
2 the rendering module is further for rendering the resolution of the query according
3 to at least one rule associated with a markup language tag with which the
4 query is associated.

1 26. The system of claim 24 further comprising:
2 a resolution generation module, for generating a resolution to the query by
3 retrieving a node set from a set of documents in Extensible Markup
4 Language, the resolution generation module being coupled to the data
5 access module; and
6 the rendering module is further for rendering each member of the node set.

1 27. The system of claim 24 further comprising:
2 an updating module, for updating the data set, the updating module being coupled
3 to the rendering module.

1 28. The system of claim 27 wherein:
2 the updating module is further for updating the data set by writing to a set of at
3 least one document in Extensible Markup Language.

1 29. The method of claim 3 wherein:
2 the markup language comprises Wireless Markup Language.